

Docket No. IL-10750CCustomer No. 24981

Commissioner for Patents  
Washington, DC 20231

## NEW APPLICATION TRANSMITTAL

Transmitted herewith for filing is the patent application of Inventor(s):

**Babak Sadigh, Thomas J. Lenosky, Tomas Diaz de la Rubia, Majeed Foad, Martin Giles,  
Maria-Jose Caturia, Vidvuds Ozolins, Mark Asta, Silva Theiss, Andrew Quong**



For (title): **A SEMICONDUCTOR MATERIAL AND METHOD FOR ENHANCING  
SOLUBILITY OF A DOPANT THEREIN**

## 1. Type of Application

☐ This new application is for an original patent.

☒ This new application is a:

☒ Division

☐ Continuation

☐ Continuation-in-part (CIP)

## 2. Benefit of Prior U.S. Application(s) (35 USC 120)

☒ The new application being transmitted claims the benefit of prior U.S. application(s). 10/246,890 filed September 18, 2002 which is a divisional of 09/945,932 filed September 4, 2001.

3. ☒ Benefit under 35 U.S.C. 119(e) of United States provisional application(s) listed below: 60/230,615 September 5, 2000  
Application Serial No. Filing Date

## 4. Papers enclosed which are required for filing Date Under 37 CFR 1.53(b).

10 Pages of specification

1 Page of claims

1 Pages of abstract

1 Sheet of drawings

☒ formal

## 5. Additional papers enclosed

☐ Preliminary Amendment

☐ Information Disclosure Statement

☐ Form PTO-1449

6. Declaration or oath

- ☐ Enclosed and executed by
- ☐ inventors
- ☐ legal representative of inventor(s) 37 CFR 1.42 or 1.43
- ☒ Previously filed copy enclosed

7. Assignment

- ☐ An assignment of the invention to The Regents of the University of California.
- ☐ is attached
- ☒ Previously filed

8. Certified Copy

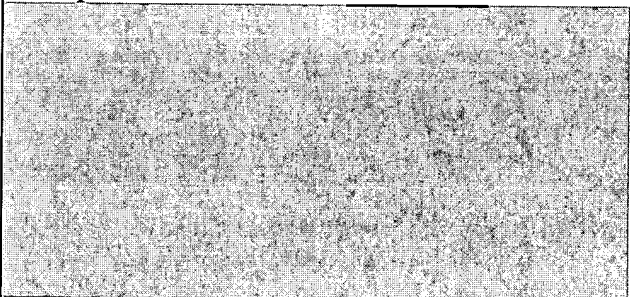
Certified copy(ies) of application(s)

(country)	(application no.)	(filed)
(country)	(application no.)	(filed)

from which priority is claimed

- ☐ is(are) attached.
- ☐ will follow

9. Fee Calculation

CLAIMS AS FILED					
Type of Claim	Number Filed	Included in Basic Fee	Number Extra	Rate	Total Fee
Total Claims	8	-20 =	0	x \$18 =	\$ 00.00
Independent Claims	2	-3 =	0	x \$84 =	\$ 00.00
				Multiple Claims	= \$
				Basic Filing Fee	= \$ 750.00
				Sub-Total	= \$ 750.00
				Small Entity Filing Fee=	\$

10. Small Entity Statement(s)

- ☒ This is a filing by small entity under 37 CFR 1.9 and 1.27.

Filing Fee Calculation (50% of regular filing fee) \$ 375.00

11. Fee Payment

- ☐ Not Enclosed  
☒ Enclosed (See Account No. Below)

Total Basic Filing Fees To Be Paid 375.00

12. Method of Payment of Fees

- ☐ Check in the Amount of \$ \_\_\_\_\_  
☒ Charge Account No. 12-0695 in the amount of \$ 375.00

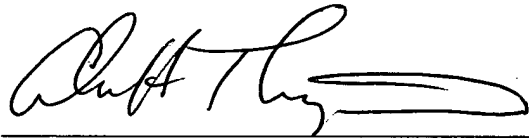
A duplicate of this transmittal is attached.

13. Instructions As To Overpayment/Underpayment

- ☒ credit/charge

Account No. 12-0695

- ☐ refund



Alan H. Thompson  
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Livermore, CA 94551

Dated: July 22, 2003

PATENT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant : Babak Sadigh et al Attorney Docket: IL-10750C  
Serial No. : Art Unit: 2812  
Filed : Examiner: Savitri Mulpuri  
For : A Semiconductor Material and Method for Enhancing Solubility of a Dopant Therein

**DIVISIONAL APPLICATION**

Mail Stop: Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

This application is being filed as a Divisional Application of U.S. Application S.N. 10/246.890, filed September 18, 2002, entitled "A Semiconductor Material and Method for Enhancing Solubility of a Dopant Therein" which is a Divisional Application of U.S. Application S.N. 09/945,932, filed September 4, 2001, entitled "A Method For Enhancing The Solubility Of Boron And Indium In Silicon.

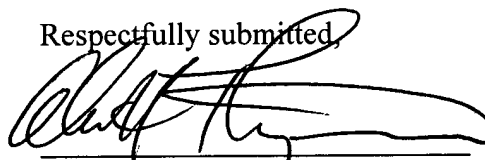
The following changes from the parent case have been made:

Claims 7-17 are cancelled.

Claims 1 -6 are elected.

Claims 7-8 are added.

Respectfully submitted,



Alan H. Thompson  
Attorney for Applicant  
Registration No. 29,981

Dated: July 22, 2003

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Babak Sadigh et al Attorney Docket: IL-10750C  
Serial No. : Art Unit: 2812  
Filed : Examiner: Savitri Mulpuri  
For : A Semiconductor Material and Method for Enhancing  
Solubility of a Dopant Therein

Assistant Commissioner for Patents  
Washington, D.C. 20231

EXPRESS MAIL CERTIFICATE

"Express Mail" label number EV 268204104 US

Date of Deposit July 23, 2003

I hereby certify that the following *attached* correspondence comprising:

1. New Application Transmittal (Original and copy)
2. Divisional Application Cover Letter showing changes
3. Divisional Application: Specification (10 pages) with Claims (1 page) and Abstract (1 page), Drawings (1 sheet)
4. Copy of prev filed Combined Declaration/ Power of Attorney (9 pgs)
5. Copy of previously filed Assignment (3 pgs)
6. Return Postcard

is being deposited with the United States Postal Service "Express Mail Post Office to addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to Mail Stop: Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Nancy J. Stone

(Type or print name of person mailing paper)

Nancy J. Stone

(Signature of person mailing paper or fee)